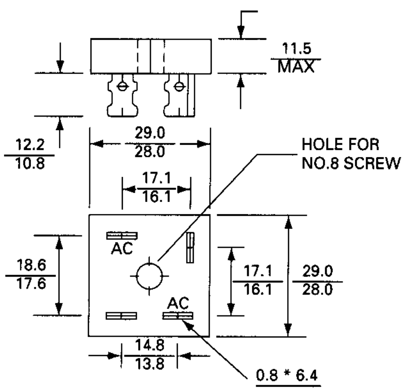
KBPC10, 15, 25, 35 ...
10A / 15A / 25A / 35A SINGLE - PHASE SILICON BRIDGE

Features

- Surge overload 200 - 400 Amperes peak
- Low forward voltage drop
- Mounting Position: Any
- Electrically isolated base-180 Volts
- Solderable .25" FASTON terminals
- Materials used carries U/L recognition

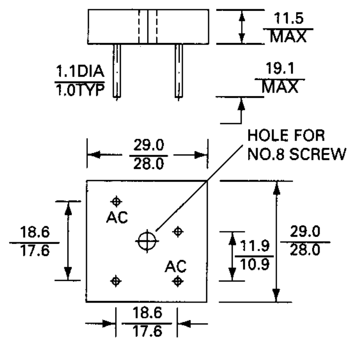
TERMINALS / METAL

LEAD / METAL



TERMINALS / PLASTIC

LEAD / PLASTIC



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified. Resistive or inductive load 60Hz

For capacitive load current by 20%.

Characteristic	KBPC10005 KBPC15005 KBPC25005 KBPC35005	KBPC1001 KBPC1501 KBPC2501 KBPC3501	KBPC1002 KBPC1502 KBPC2502 KBPC3502	KBPC1004 KBPC1504 KBPC2504 KBPC3504	KBPC1006 KBPC1506 KBPC2506 KBPC3506	KBPC1008 KBPC1508 KBPC2508 KBPC3508	KBPC1010 KBPC1510 KBPC2510 KBPC3510	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Max RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T_A = 55 °C	KBPC10: 10	KBPC15: 15	KBPC25: 25	KBPC35: 35				A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load	KBPC10: 200	KBPC15: 300	KBPC25: 300	KBPC35: 400				A
Maximum Forward Voltage Drop per element At 5.0/7.5/12.5/17.5A Peak	1.2							V
Maximum Reverse Current at Rated DC Blocking Voltage per element T_A = 25 °C	1.0							µA
Operating Temperature Range T_C	-55 to + 125							°C
Storage Temperature Range T_A	-55 to + 150							°C

NOTE: Also available on KBPC 10W/15W/25W/35W series.

SEMTECH ELECTRONICS LTD.

(wholly owned subsidiary of HONEY TECHNOLOGY LTD.)

KBPC10, 15, 25, 35 ...
10A / 15A / 25A / 35A SINGLE - PHASE SILICON BRIDGE

RATING AND CHARACTERISTICS CURVES

KBPC10/15/25/35 SERIES

FIG. 1-MAXIMUM FORWARD SURGE CURRENT

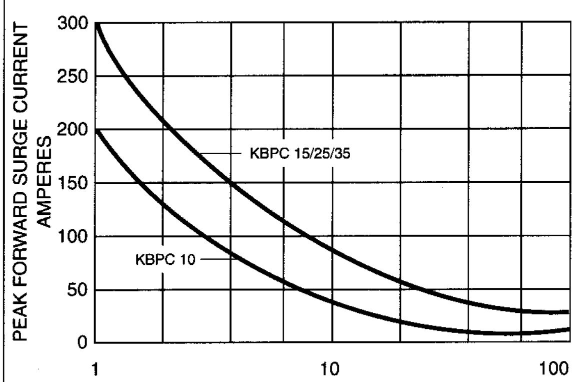


FIG. 2-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

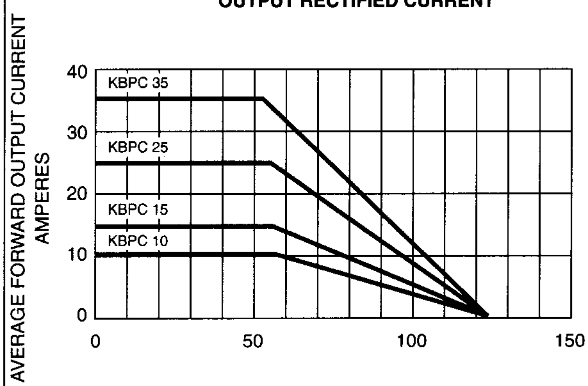


FIG. 3-TYPICAL FORWARD CHARACTERISTICS

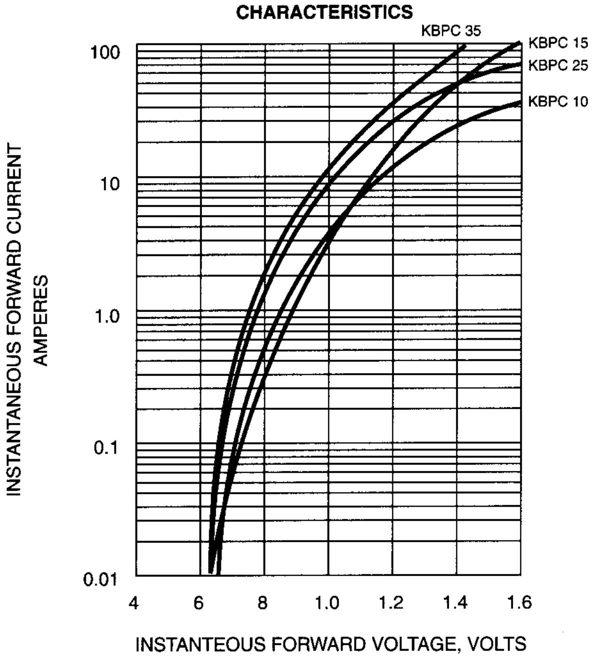


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

